



Configuration Guide for Fanvil ilx Generic SIP Endpoints

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Revision History

Version	Date	Author	Change
1.0	23 Dec. 2022	Fanvil	Create configuration guide for Fanvil ilx

1. Overview

This section provides an overview for this document. This document provides instructions on how to configure and add your device to the Zoom Web Portal.

Fanvil ilx SIP Endpoints can register to Zoom Phone as a third-party SIP Endpoint and provide Telephony features and capability such as calling, paging and other phone system/PBX functions.

This configuration guidance is for Fanvil ilx (version:2.4.8 and above).

2. Configuration Steps – Zoom Web Portal

This section provides instructions on how to configure SIP Endpoint in Zoom Web Portal (does not include steps for configuring Fanvil ilx Endpoint)

Prerequisites:

- Zoom Phone account: a valid Zoom Phone subscription is required in order to assign an Fanvil ilx endpoint.
- Zoom approval for provisioning of Fanvil ilx as Generic SIP devices. Administrators should contact Zoom Account Executive to start an approval process.

To register a SIP Endpoint to Zoom Phone, please start with creating a new common area phone in the Zoom Web Portal. For more information, please refer to the Zoom support site.

1. **Sign in** at the Zoom Web Portal
2. Click **Phone system management > Users & Rooms**
3. Click the **Common Area Phones** tab
4. Click **Add** and enter the following information
 - a. **Display Name**: Enter a display name to identify the device
 - b. **Extension Number**: Enter an extension number to assign it to the device
 - c. **Package**: Assign your device to a calling plan

The screenshot shows a web application interface with a modal dialog titled "Add Common Area". The dialog contains the following fields and options:

- Display Name:** An empty text input field.
- Extension Number:** A text input field containing the value "805".
- Package:** A dropdown menu with the selected option "Assign".
- Country/Region:** A dropdown menu with the selected option "China (+86)".
- Time Zone:** A dropdown menu with the selected option "(GMT+8:00) Beijing, Shanghai".
- Specify a template to be assigned to the Common Area:** An unchecked checkbox.
- Buttons:** "Cancel" and "Save" buttons at the bottom right of the dialog.

5. Click **Save**
6. At this point, navigate to **Phone System Management** → **Phones & Devices** tab
7. Press **Add** and enter the following information
 - a. **Site**(only visible if you have multiple sites): Select the site you want the device to belong to
 - b. **Display Name**: Enter a display name to identify the device
 - c. **Description**(optional): Enter a description to help you identify the location of the device
 - d. **MAC Address**: Enter the 12-digit MAC address of the Endpoint. The MAC can be found on the product label
 - e. **Device Type**: Select **Other**

Note: If you don't have the Other option, contact your Zoom sales representative. By default, supporting a generic SIP profile is not enabled
 - f. **Emergency Address**(only visible if you don't have multiple sites): Select an emergency address to assign to the desk phone.
 - g. **Assigned to**: choose a common area you want the device to belong to
8. Click **Save**

Add Device

Display Name
This field is required

Description (Optional)

MAC Address

Device Type
AudioCodes
Cisco
CyberData
Grandstream
Poly
Yealink
Other

Assigned to

9. Click **Provision** to view the SIP credentials. It's required to complete the provisioning:

<input type="checkbox"/>	Display Name	Device Type	MAC Address	Assigned to	Status	Firmware Version
<input type="checkbox"/>	i10S	Other	██████████	Fanvil-i10S Ext. 804	Offline Provision	--
<input type="checkbox"/>	i10SV	Other	██████████	Fanvil-test Ext. 803	Offline Provision	--
<input type="checkbox"/>	i16SV	Other	██████████	Fanvil Intercom Ext. 802	Online Provision	--

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Provisioning

MAC Address XXXXXXXXXX

Device Type Other

You will need to enable TLS1.2 for SIP registration and enable SRTP for secure calling on your IP phone. Please refer to your manufacturer's instructions for these processes.

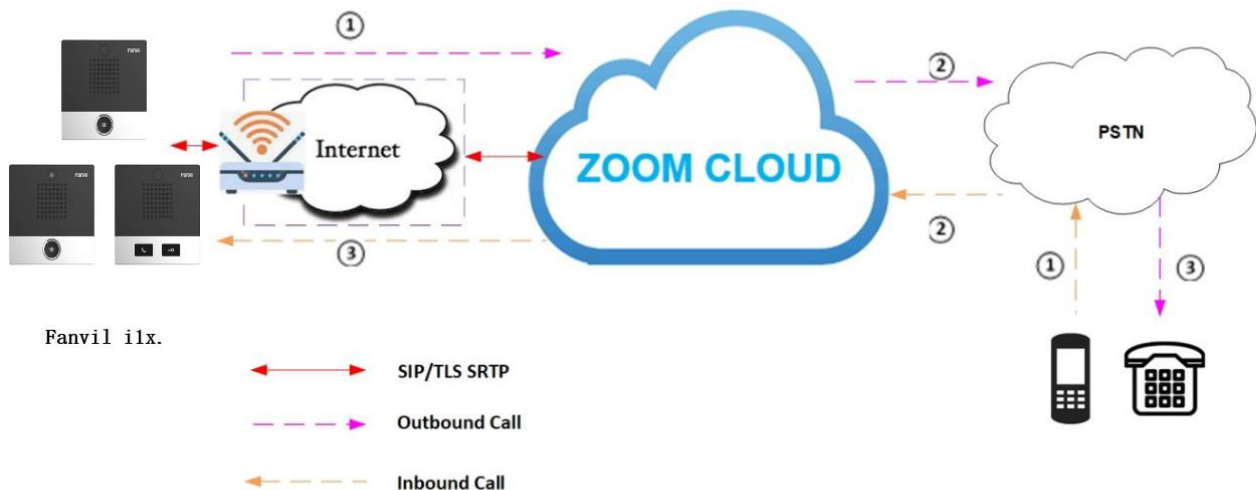
You'll need following information for manual provisioning.

1. SIP Domain: XXXXXXXXXX
2. Outbound Proxy: XXXXXXXXXX
3. User Name: XXXXXXXXXX
4. Authorization ID: XXXXXXXXXX
5. Password: XXXXXXXXXX

3. Configuration Steps - Fanvil ilx Endpoint

This section provides instructions on how to configure Fanvil ilx SIP Endpoint (does not include steps for configuring in Zoom Web Portal)

1. Topology diagram:



2. Collect IP address of Fanvil ilx:

Press and hold the speed dial button for 3 seconds, wait for the loudspeaker to beep quickly. Press the speed dial button three times within 5 seconds, and the system will automatically announce the IP address by voice after successfully switching to dynamic IP (Refer User manual in <https://www.fanvil.com/service/doc/file/p0/sipdj/il6sil6sv/index.html>)

3. Input SIP credentials for Fanvil ilx via Web UI interface

- Tap the IP address (step 2) in the browser address bar and then press Enter. Input default username (**admin**) and password (**admin**) then click Login
- Navigate to Line -> SIP. Under SIP1, please ensure the below parameters are set;

Line: **SIP 1**

Activate: **Enable**

Authentication User: input **Authorization ID** (SIP credential in 2.9)

Authentication Password: input **Password** (SIP credential in 2.9)

User Name: input **Username** (SIP credential in 2.9)

Display Name: input preferred name (example: Zoom)

In SIP server 1:

Server Address: input **SIP Domain** (SIP credential in 2.9)

Server Port: **5091**

Transport protocol: **TLS**

Proxy Server Address: input **Outbound Proxy** remove port (SIP credential in 2.9)

Proxy Server Port: **5091**

- Click Apply and check Line Status is **Registered**

The screenshot displays the Fanvil i10SV Web UI interface for configuring SIP settings. The interface is divided into a sidebar on the left and a main content area. The sidebar includes navigation options like System, Network, Line, Intercom settings, Call List, Function Key, Security, Device Log, and Security Settings. The main content area shows the 'SIP' configuration page for 'Line 1' (Zoom@SIP). Key settings are highlighted with red boxes: 'Line Status' is 'Registered'; 'SIP Server 1' settings include 'Server Address', 'Server Port' (5091), and 'Transport Protocol' (TLS); 'Proxy Server Address' and 'Proxy Server Port' (5091) are also highlighted. The 'Apply' button at the bottom is highlighted with a red box.

4. Setting the Speed Dial Function Key – Single button

Once the intercom is registered with Zoom, the “Speed Dial” function key will need to be set for the intercom to call a number when the front Call Button was pressed. This number can be either a direct extension, ring group/call queue, or a direct phone number.

a. After Logging into the intercom, go to the Function Key Tab.

b. Ensure the below parameters are set in the DSSKEY1 option:

Type: **Memory Key**

Value: the **extension** you want the intercom to call.

Subtype: **Speed Dial**

Line: choose the **ZOOM registered** SIP line.

Key	Type	Name	Value	Subtype	Line	Media
DSS Key 1	Memory Key		803	Speed Dial		DEFAULT
DSS Key 2	None			None	AUTO	DEFAULT
DSS Key 3	None			None	AUTO	DEFAULT

4. Troubleshooting

1. For i16x latest firmware, Quick Installation Guide, User Manual,

Datasheet: <https://www.fanvil.com/service/doc/file/p0/sipdj/il6sil6sv/index.html>

2. For i10x latest firmware, Quick Installation Guide, User Manual,

Datasheet: <https://www.fanvil.com/service/doc/file/p0/sipdj/i10sil0svi10sd/index.html>

5. FAQ

For FAQ: <https://www.fanvil.com/service/help/faq/security%20products-basic%20function/index.html>

6. Resources

For contacting Fanvil technical support team, please send emails to support@fanvil.com or log in to the Fanvil ticket system <https://www.fanvil.com/service/help/question.html> , where our team is 24hrs fast reply during work days